T0626C0" 027T2860

€T1503904934S
AUS9-2000-0927-US1
1 of 4

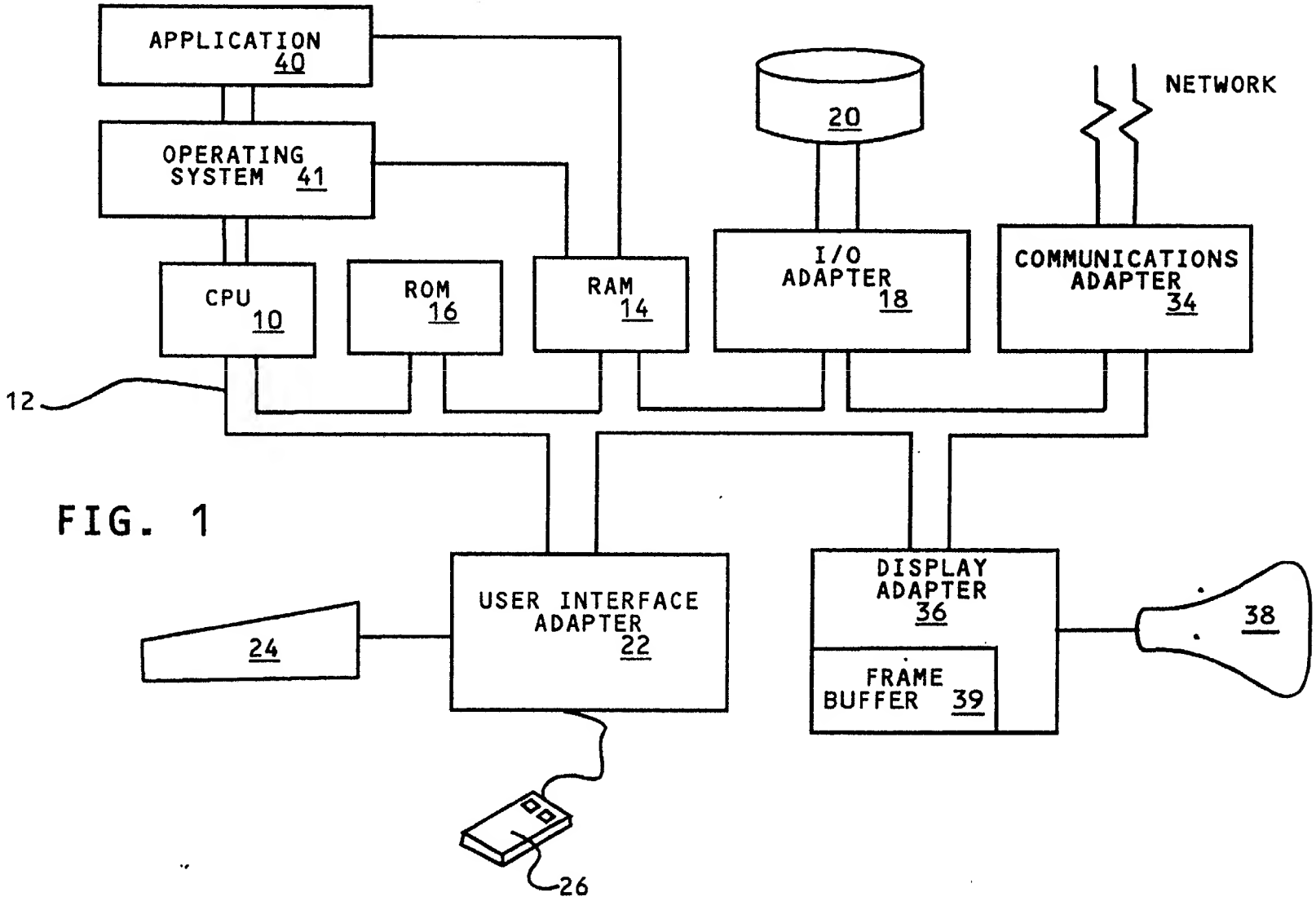

FIG. 1

AUS9-2000-0927-US1
2 of 4

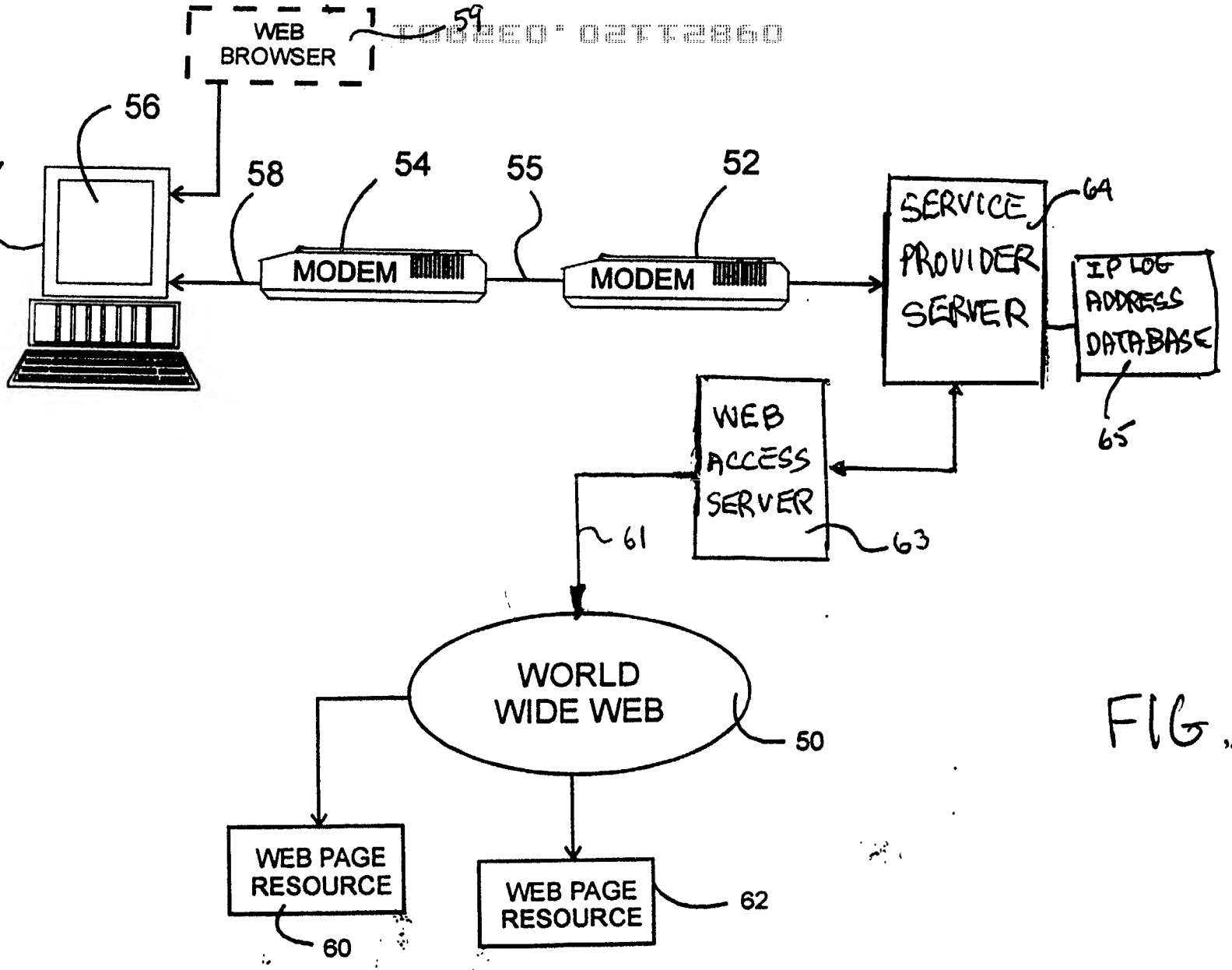

FIG. 2

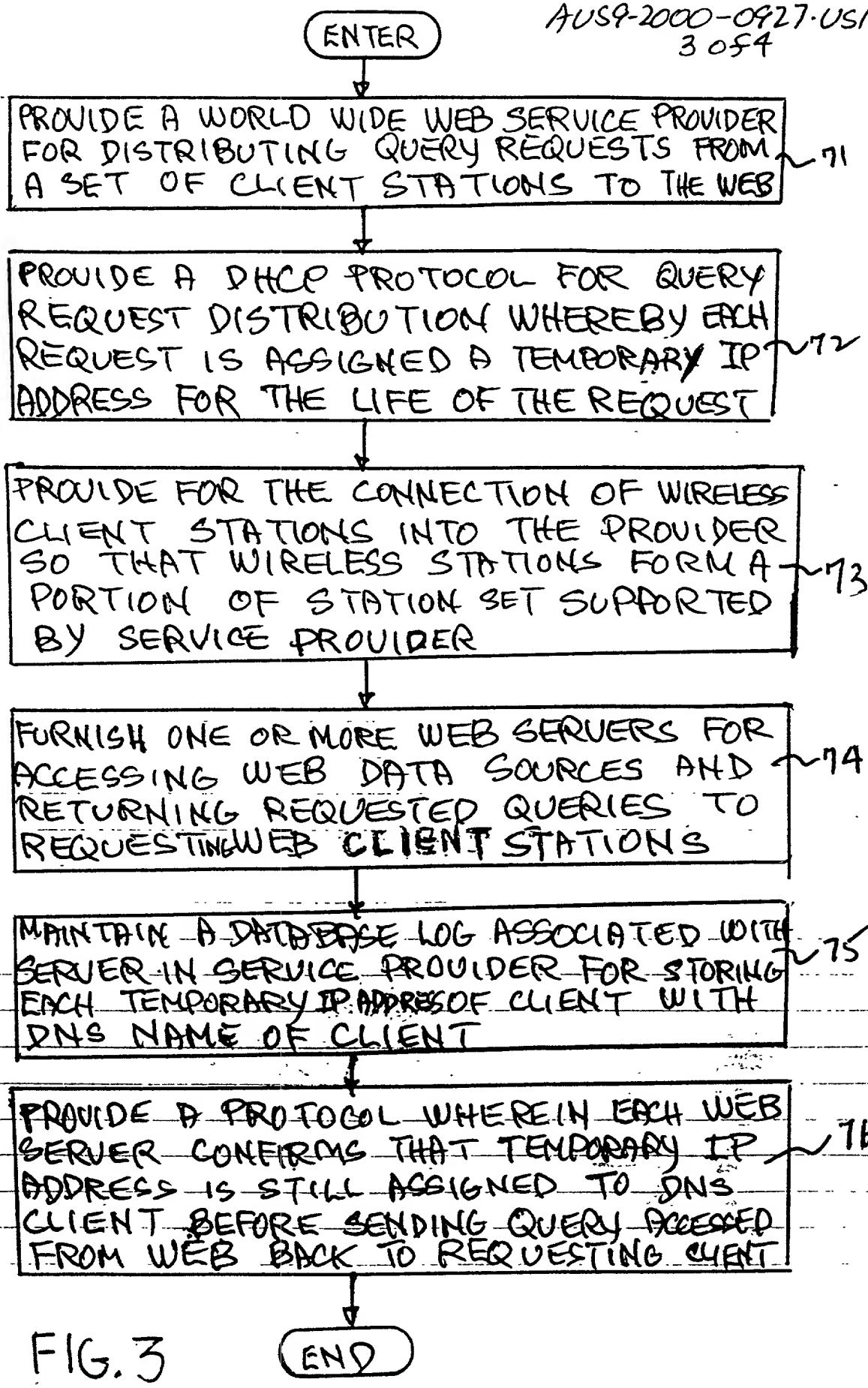
ENTER
PROVIDE A WORLD WIDE WEB SERVICE PROVIDER FOR DISTRIBUTING QUERY REQUESTS FROM A SET OF CLIENT STATIONS TO THE WEB
71
PROVIDE A DHCP PROTOCOL FOR QUERY REQUEST DISTRIBUTION WHEREBY EACH REQUEST IS ASSIGNED A TEMPORARY IP ADDRESS FOR THE LIFE OF THE REQUEST
72
PROVIDE FOR THE CONNECTION OF WIRELESS CLIENT STATIONS INTO THE PROVIDER SO THAT WIRELESS STATIONS FORM A PORTION OF STATION SET SUPPORTED BY SERVICE PROVIDER
73
FURNISH ONE OR MORE WEB SERVERS FOR ACCESSING WEB DATA SOURCES AND RETURNING REQUESTED QUERIES TO REQUESTING WEB CLIENT STATIONS
74
MAINTAIN A DATABASE LOG ASSOCIATED WITH SERVER IN SERVICE PROVIDER FOR STORING EACH TEMPORARY IP ADDRESS OF CLIENT WITH DNS NAME OF CLIENT
75
PROVIDE A PROTOCOL WHEREIN EACH WEB SERVER CONFIRMS THAT TEMPORARY IP ADDRESS IS STILL ASSIGNED TO DNS CLIENT BEFORE SENDING QUERY ACCESSED FROM WEB BACK TO REQUESTING CLIENT
76
END

FIG. 3

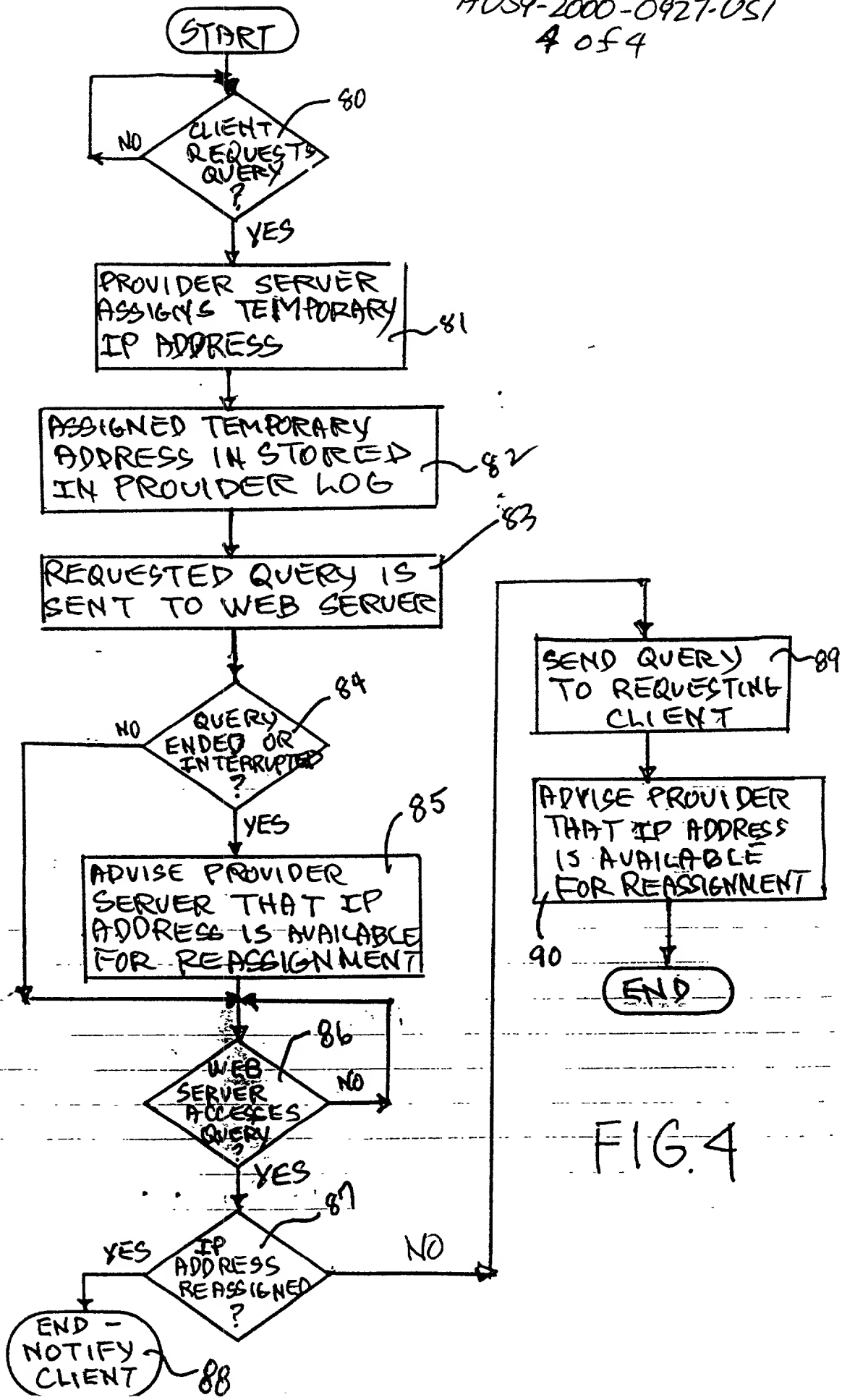
START
CLIENT REQUESTS QUERY ?
80
NO
YES
PROVIDER SERVER ASSIGNS TEMPORARY IP ADDRESS
81
ASSIGNED TEMPORARY ADDRESS IS STORED IN PROVIDER LOG
82
REQUESTED QUERY IS SENT TO WEB SERVER
83
QUERY ENDED OR INTERRUPTED ?
84
NO
YES
ADVISE PROVIDER SERVER THAT IP ADDRESS IS AVAILABLE FOR REASSIGNMENT
85
WEB SERVER ACCESSES QUERY ?
86
NO
YES
IP ADDRESS REASSIGNED ?
87
YES
NO
END - NOTIFY CLIENT
88
SEND QUERY TO REQUESTING CLIENT
89
ADVISE PROVIDER THAT IP ADDRESS IS AVAILABLE FOR REASSIGNMENT
90
END

FIG. 4